

PRACTICE

$$m_{BC} = \frac{y_2 - y_1}{x_2 - x_1} = \frac{y_C - y_B}{x_C - x_B} = \frac{2 - 4}{5 - 3} = \frac{-2}{2} = -1$$

$$C(5, 2) \quad x_C = 5 \quad y_C = 2$$

$$B(3, 4) \quad x_B = 3 \quad y_B = 4$$

(2)  $m_{AB} = 1$  NEITHER PARALLEL  
NOR PERPEN.

$$m_{CD} = \frac{y_D - y_C}{x_D - x_C} = \frac{3 - 2}{8 - 5} = \frac{1}{3}$$

$$C(5, 2) \quad x_C = 5 \quad y_C = 2$$

$$D(8, 3) \quad x_D = 8 \quad y_D = 3$$